

Oh Canada!

by Arya Akhavan (July 2013)

Angles for R.I. = 1.720

41 + 9 girdles = 50 facets

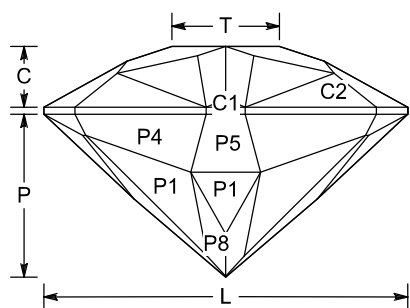
1-fold, mirror-image symmetry

96 index

$L/W = 1.024$ $T/W = 0.303$ $U/W = 0.283$

$P/W = 0.458$ $C/W = 0.171$

$Vol./W^3 = 0.199$



PAVILION

P1	44.98°	96-09-22-36-60-74-87	Cut to centerpoint.
P2	42.00°	42-54	Meet at culet.
G1	90.00°	42-54	Set stone width.
G2	90.00°	36-60	Level girdle.
G3	90.00°	21-75	Meet P1, G2
G4	90.00°	06-90	Meet P1, G3
P5	59.69°	96	Meet P1, P4
P3	60.50°	21-75	Level girdle.
P4	66.30°	06-90	Level girdle.
G5	90.00°	96	Level girdle.
P6	42.50°	35-61	Meet P1, G2, G3, P3
P7	42.50°	21-75	Meet P1, P3, P4
P8	42.50°	03-93	Meet P1, P4, P5

CROWN

C1	34.36°	96	Set girdle width.
C2	35.26°	06-90	Level girdle.
C3	35.26°	21-75	Level girdle.
C4	35.26°	36-60	Level girdle.
C5	28.00°	42-54	Level girdle.
C6	22.00°	48	Meet G1, C5
C7	24.53°	39-57	Meet G1, G2, C4, C5
C8	23.03°	30-66	Meet G2, G3, C3, C4
C9	29.79°	02-94	Meet G4, G5, C1, C2
C10	31.45°	05-91	Meet G4, G5, C1, C2, C9
C11	18.80°	10-86	Meet C2, C3, C10
T	0.00°	Table	Meet C9, C11

I was randomly rotating and mirroring some of my old designs to see if I could get any emergent designs, and when I tested out "Lethargy", I got a surprisingly maple leaf-looking crown. A few pavilion tweaks, and it was good! Works in materials from quartz to CZ (RI = 1.54 - 2.16) with no changes, but I prefer red synthetic spinel. Suggested size = 8-16 mm

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